

Contents Volume 112, 1994

Research Papers

- Late Cenozoic basaltic volcanism around the Taiwan Strait, SE China: Product of lithosphere–asthenosphere interaction during continental extension
S.-L. Chung, S. Sun, K. Tu, C.-H. Chen and C. Lee 1
- Sm–Nd isotope systematics of 1.9–1.8-Ga granites from western Bergslagen, Sweden: inferences on a 2.1–2.0-Ga crustal precursor
P.J. Valbracht 21
- A re-examination of the influence of composition on argon retentivity in metamorphic calcic amphiboles
M.A. Cosca and R. Keith O'Nions 39
- High-resolution SIMS analysis of common lead
N.S. Belshaw, R.K. O'Nions, D.J. Martel and K.W. Burton 57
- Rb–Sr systematics of Vendian–Cambrian claystones from the east European Platform: implications for a multi-stage illite evolution
I.M. Gorokhov, N. Clauer, T.L. Turchenko, N.N. Melnikov, E.P. Kutuyavin, E. Pirrus and A.V. Baskakov 71
- The release of phosphorus from oxygenated estuarine sediments
W.A. Maher and M. DeVries 91
- Carbonate geochemistry and the concentrations of aqueous Mg^{2+} , Sr^{2+} and Ca^{2+} : Western north coast of the Yucatan, Mexico
A.S. Reeve and E.C. Perry 105

Discussion

- Constraints on rare gas partition coefficients from analysis of olivine–glass from a picritic mid-ocean ridge basalt — Comments
H. Hiyagon 119
- Constraints on rare gas partition coefficients from analysis of olivine–glass from a picritic mid-ocean ridge basalt — Reply
B. Marty and P. Lussiez 122

Isotope Geoscience Section

Research Papers

- Criteria for the retention of original seawater $^{87}Sr/^{86}Sr$ in ancient shelf limestones
R.E. Denison, R.B. Koepnick, A. Fletcher, M.W. Howell and W.S. Callaway 131
- Construction of the Mississippian, Pennsylvanian and Permian seawater $^{87}Sr/^{86}Sr$ curve
R.E. Denison, R.B. Koepnick, W.H. Burke, E.A. Hetherington and A. Fletcher 145
- Towards zircon fission-track thermochronology: Reference framework for confined track length measurements
N. Hasebe, T. Tagami and S. Nishimura 169
- (Uranium + thorium)/helium dating of apatite: experience with samples from different geochemical environments
H.J. Lippolt, M. Leitz, R.S. Wernicke and B. Hagedorn 179

Discussion

- A new approach for the determination of age of a partial or complete homogenisation of Pb isotopes — Example: anchimetamorphic, detrital sediments of the Central Iberian Zone, Spain — Comments
I. Wendt 193
- A new approach for the determination of age of a partial or complete homogenisation of Pb isotopes — Example: anchimetamorphic, detrital sediments of the Central Iberian Zone, Spain — Reply
Th.F. Nägler, H.-J. Schäfer and D. Gebauer 194

Book Review

<i>Proterozoic Crustal Evolution</i> , by K.C. Condie (Editor) — H. Baadsgaard.....	197
---	-----

Research Papers

Aluminous subsolvus anorogenic granite genesis in the light of Nd isotopic heterogeneity F. Poitrasson, C. Pin, J.-L. Duthou and B. Platevoet.....	199
Geochemistry of Spanish sepiolite-palygorskite deposits: Genetic considerations based on trace elements and isotopes J. Torres-Ruiz, A. López-Galindo, J.M. González-López and A. Delgado	221
The occurrence and chemistry of huntite from Oman G. Stanger and C. Neal	247
Trace-metal behaviour in oxic and anoxic Ca-Cl brines of the Wright Valley drainage, Antarctica J.G. Webster	255
Metal contamination due to mining and milling activities at the Zawar zinc mine, Rajasthan, India 1. Contamination of stream sediments B.G. Prusty, K.C. Sahu and G. Godgul	275
Metal contamination due to mining and milling activities at the Zawar zinc mine, Rajasthan, India 2. Dispersion in floodplain soils of stream K.C. Sahu, B.G. Prusty and G. Godgul	293
Variability of early diagenesis in lake sediments: Evidence from the sedimentary geolipid record in an isolated tarn E.S. Ho and P.A. Meyers	309

*Isotope Geoscience Section**Research Papers*

Carbon and noble gases in Archean chert Y. Sano, K. Nagao and C.T. Pillinger.....	327
Excess argon in phengite from eclogite: Evidence from dating of eclogite minerals by Sm-Nd, Rb-Sr and $^{40}\text{Ar}/^{39}\text{Ar}$ methods S. Li, S. Wang, Y. Chen, D. Liu, J. Qiu, H. Zhou and Z. Zhang	343
The age and origin of the barite-fluorite (Pb-Zn) veins of the Sierra del Guadarrama (Spanish Central System, Spain): a radiogenic (Nd, Sr) and stable isotope study C. Galindo, F. Tornos, D.P.F. Darbyshire and C. Casquet.....	351
<i>Contents Volume 112, 1994</i>	365

